

## ABSTRACT

There are provided a cathode film for batteries which is easy to handle in the form of a film and has excellent mechanical strength and an excellent ion conductivity ; a solid electrolyte composition suitable for producing such a cathode film; and a process for efficiently producing such a cathode film. The solid electrolyte composition for cathode which is composed of a polyether polymer, an active material of positive electrode, conductive particles, an electrolyte salt compound and a photopolymerization initiator wherein the photopolymerization initiator is present in an amount of 2 to 30 parts by weight per 100 parts by weight of the polyether polymer, is molded and then crosslinked by irradiation of an ultraviolet light, whereby a cathode film for batteries is obtained. By using this cathode film, a battery with excellent cycle performance can be obtained.